

**Notice of Allowability**

Application No.

09/486,538

Applicant(s)

OSHIMA ET AL.

Examiner

Art Unit

Vincent F. Boccio

2616

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Cert. Translation on 9/27/04.
2. ☒ The allowed claim(s) is/are 1-21.
3. ☒ The drawings filed on 05 June 2000 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

  
Vincent F. Boccio  
Primary Examiner  
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**DETAILED ACTION**

The Group and/or Art Unit location of your application in the PTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Group Art Unit 2616.

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:  
Election of claims 1-21 has been made without traverse on 12/3/03, therefore, the examiner upon this allowance has cancelled the claims in view of no traverse.

{A} Cancel claims 22-47.

**Certified Translation**

Applicant has provided a certified translation of the priority document, verified by the examiner, therefore, applicant has been granted priority based on claims 1-21, and now has a perfected priority dates of 8/29/97 and/or 12/4/97, both of which predate the applied reference Oshima, therefore not prior art against applicant.

Claims 1-21 are allowed.

**REASONS FOR ALLOWANCE**

2. The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the prior art of record fails to teach disclose or fairly suggest the combination as claimed associated with an optical disk reproduction apparatus for reproducing a signal recorded on an optical disk, in which the optical disk has, recorded thereon at least a first video stream representing a low frequency component of the video signal and a second video stream representing at least a high frequency component of the video signal,

the first video stream includes a plurality of first interleave units and the second video stream includes a plurality of second interleave units,

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each of the plurality of first interleave units includes  $m_1$  GOPs (where  $m_1$  is an integer of 1 or greater),

each of the plurality of second interleave units includes  $m_2$  GOPs (where  $m_2$  is an integer of 1 or greater),

the optical disk reproduction apparatus comprising:

a reproduction section for reproducing the first video stream and the second video stream recorded on the optical disk;

a division section for dividing the reproduced first video stream into the plurality of first interleave units and for dividing the reproduced second video stream into the plurality of second interleave units;

a decoding section for decoding the plurality of first interleave units to generate a first reproduction signal representing the low frequency component of the video signal and

for decoding the plurality of second interleave units to generate a second reproduction signal representing at least the high frequency component of the video signals

a synthesis section for synthesizing the first reproduction signal and the second reproduction signal to generate, the video signal and

an output section for selectively outputting at least one of the first reproduction signal, the second reproduction signal and the video signal.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

**Contact Fax Information**

Any response to this action should be mailed to:  
Commissioner of Patents and Trademarks  
Washington, D.C. 20231

or faxed to:

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(703) 872-9314, (for formal communication intended for entry)

or:

(703) 308-5359, (for informal or draft communications, please label "PROPOSED" or "DRAFT")

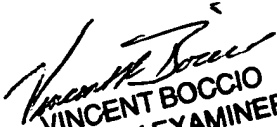
Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Contact Information

Any inquiry concerning this communication or earlier communications should be directed to the examiner of record, Monday-Thursday, 8:00 AM to 5:00 PM Vincent F. Boccio (703) 306-3022.

Any inquiry of a general nature or relating to the status of this application should be directed to Customer Service (703) 306-0377.

Primary Examiner, Boccio, Vincent  
1/8/05

  
VINCENT BOCCIO  
PRIMARY EXAMINER